

Input: Colorimetric Television Luminous System TLS18a

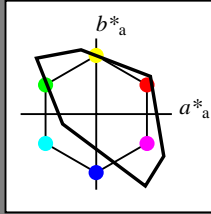
with *rgb* data of the
four elementary hues

1 0 0 = Red *R*

1 1 0 = Yellow *J*

0 1 0 = Green *G*

0 0 1 = Blue *B*



TLS18a; adapted (a) CIELAB data					
$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O_{Ma} 52.76	71.63	49.88	87.29	35	
Y_{Ma} 92.74	-20.02	84.97	87.3	103	
L_{Ma} 84.0	-78.98	73.94	108.2	137	
C_{Ma} 87.14	-44.41	-13.11	46.32	196	
V_{Ma} 35.47	64.92	-95.06	115.12	304	
M_{Ma} 59.01	89.33	-55.67	105.26	328	
N_{Ma} 18.01	0.0	0.0	0.0	0	
W_{Ma} 95.41	0.0	0.0	0.0	0	
R_{CIE} 39.92	58.74	27.99	65.07	25	
J_{CIE} 81.26	-2.88	71.56	71.62	92	
G_{CIE} 52.23	-42.41	13.6	44.55	162	
B_{CIE} 30.57	1.41	-46.46	46.49	272	

Output: Colorimetric Television Luminous System TLS18a

with hue number

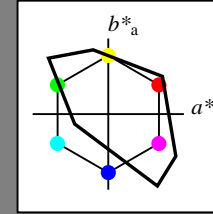
$n = 00$ to 19

00 = Red *R*

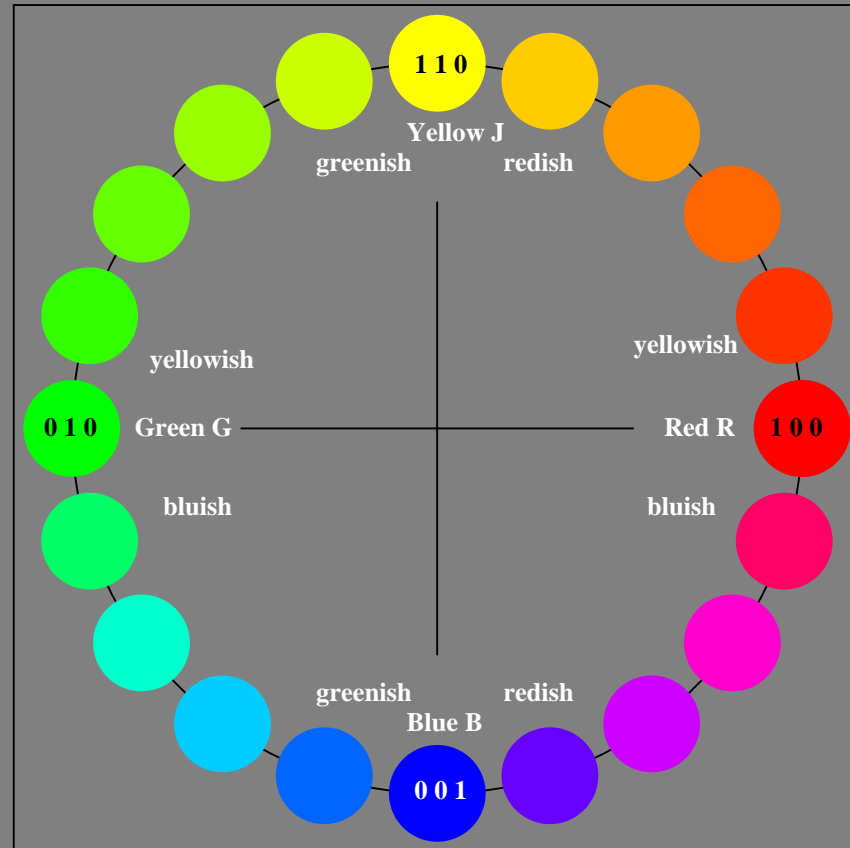
05 = Yellow *J*

10 = Green *G*

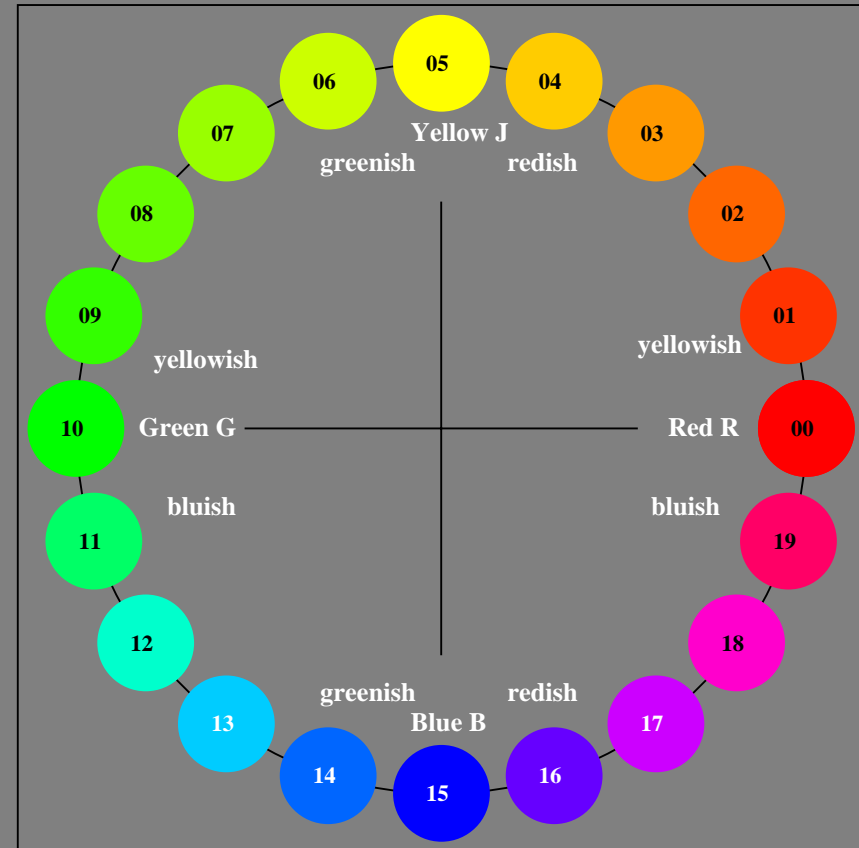
15 = Blue *B*



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IE450-7N, 20 step hue circle with elementary colours *R*, *J*, *G*, *B* (left)



20 step hue circle with elementary colours *R*, *J*, *G*, *B* (right)